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DIALOG(R)File 351:Derwent WPI

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Composite implant material for body tissues - consists of compounded hydroxyapatite as sintered particles and silicone resin, has good bioaffinity and is used to replace e.g. cartilage

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 62011459	A	19870120	JP 85149332	A	19850709	198708 B

Priority Applications (No Type Date): JP 85149332 A 19850709

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 62011459	A		6		

Abstract (Basic): JP 62011459 A

Method comprises mix-culturing Clostridium thermocellum and Clostridium thermosaccharolyticum in a culture medium contg. cellulose for preparing oxygen-contg. cpds. mainly comprising butyric acid and butanol.

C. thermocellum and C. thermosaccharolyticum are pref. inoculated 1-10% esp. 2-5% respectively in culture medium and the culture is practiced at 45-65 deg.C, esp. 55-60 deg.C for 1-15 days esp. for 2-10 days. C. thermocellum C-27 (FERM P-7451), C-315 (FERM P-7872), ATCC 27405, C-2719 (FERM P-8275), etc., and C. thermosaccharolyticum G-258 (FERM P-8273), CB-1666 (FERM P-8274), 6957 (FERM P-8071), ATCC 7956, etc., are pref. used.

USE/ADVANTAGE - The oxygen-contg. cpds. can be prepd. from cellulose in a single step with high yield. The culture is practiced at 60 deg.C without contamination.

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Title Terms: COMPOSITE; IMPLANT; MATERIAL; BODY; TISSUE; CONSIST; COMPOUND; HYDROXY; APATITE; SINTER; PARTICLE; SILICONE; RESIN; BIO; AFFINITY; REPLACE; CARTILAGE

Derwent Class: A26; A96; D22; E33; P34

International Patent Class (Additional): A61L-027/00

File Segment: CPI; EngPI

Manual Codes (CPI/A-N): A06-A00E3; A12-Y02; D09-C01D; E31-K05C; E34-B01

Plasdoc Codes (KS): 0009 0037 0204 0211 0057 0060 0231 1306 2020 2152 2170 2198 2199 2218 2220 2285 2459 2462 2493 2545 2606 2623 2628 2673 2675 2765

Polymer Fragment Codes (PF):

001 014 032 04- 05- 06- 075 15- 18& 18- 228 229 231 308 310 341 344 346 348 359 360 38- 42- 43& 456 458 462 473 476 525 526 541 544 551 560 562 566 62- 645 654 721

Chemical Fragment Codes (M3):

01 A212 A220 A940 B115 B701 B720 B815 B831 C009 C017 C100 C101 C106 C108 C530 C550 C802 C804 C805 C807 M411 M781 M903 M904 P001 P420 Q130 R03270-U 8708-D7401-U

Derwent Registry Numbers: 1757-U

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